Governor's Task Force on K-12 Science, Technology, Engineering and Math (STEM) Education

Agenda May 4, 2016

Location: Manchester Community College 10-11:30

I.   Call to order and introduction by Chair Ross Gittell

II.   Approval of March 23, 2015 meeting minutes
        Action: Joe Helble made a motion to accept the minutes; Barbara Couch seconded. All members approved the minutes.

III.   Preparation for Annual Report to the Governor due June 30
        Action: Chairman Gittell reviewed the assignments, timeline and suggested framework for the Annual Report to the Governor on the work of the STEM K12 TF on Education

        a Assignments: Lead Coordinators:
            Action: The Task Force confirmed the following assignments

        - Foundations in STEM: Joe Helble
        - Inspiring Students:
            o NHMSA (Susan A.);
            o PLPs (Barbara C);
            o CTE/Early College (Chris D and Eric F);
            o Girls in STEM (Lauren P);
            o Competitions (Bob H.)
        - Empowering Teachers: (Todd L and Annie W)
        - Communications and Engagement: Buck Beaudoin

        b. Suggested framework for working group reports – Suggested length 2-4 pages
        Action: The STEM TF members agreed to this framework for their annual report
        - Background and goals
        - Actions and achievements
        - Outside partnerships such as MIT pilot, CCSSO, LECSN, etc.
        - Next Steps
        - See Addendum B for suggestions of items to report

        c. Timeline
        Action: The STEM TF members agreed to this timeline
        - May 16 – working groups submit drafts for report
        - May 17 – June 2: report information is synthesized – organization around themes and priorities
        - June 3 –Report draft returned to TF for review, comments and changes
        - June 15 – Task Force returns report to Ross and Martha for changes
        - June 20 – final review by TF
        - June 30 – submitted to Governor

IV.   Briefings: Susan on outcomes of NHMSA Design Day April 25th; Katie Brissette on Early Childhood Education initiatives. Other TF members who wish to report

Susan D'Agostino updated the Task Force on the NH Math and Science Academy Design Day help April 25th with leaders from NH and New England. She is preparing a summary report, in collaboration with the research hosts for Design Day, Southern NH University "Sandbox." Report should be ready by end of May.

Katie Brissette presented a white paper she wrote on Coding on Early Childhood Education which advocated for an early start to the study of coding. White Paper is attached.

Chris Dodge presented a survey and report on software, computer technology and programming courses currently available in NH high school. This work is in collaboration with CCSNH on career pathways dual credit opportunities and outlines current computing education research underway. Report is attached

Barbara Couch reported that Personal Learning Plans for Middle School working group has reviewed two software packaged designed for warehousing middle school work materials and for providing a working template to track career exploration, planning and courses. Additionally, several schools have been identified who wish to pilot a PLP for middle schoolers. Hypertherm will sponsor a middle school "winter break" STEM camp. Details to be announced.

V.   Public input (2-3 minutes each speaker)

Mary Laturnau, Director of School Engagement for NH, VT and ME for Project Lead the Way. Mary reported the following the TF
     Have been recognized as a K-12 STEM Program,
     Have been mentioned by the White House as having a K-12 Computer Science pathway,
     Have been recognized by the College Board for a new PLTW-AP Scholar designation, NH Students are already applying for,
     Will offer competency based frameworks for our courses starting in the summer 2016,
     Aligned to the National Standards in all pathways
     NH Scholars now recognizes our courses as having met criteria for that honor,
     PLTW Professional Development for Elementary, Middle School and HS teachers is being offered at NHTI, Concord this summer

VI.   Other business: executive session
Discussion on sustainability of Task Force: current and future issues. The group discussed various approaches to continuing their work past the June 30, 2016 deadline.